10585717 - GAU: 1646

Attorney Docket No: 21101.0048U2 Application No.: 10/585,717

Sheet 1 of 3

## NKORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Co	omplete if Known	
Application Number	10/585,717	
Filing Date	July 11, 2006	
First Named Inventor	Leppert	
Group Art Unit	1646	
Examiner Name	Pak, M. D.	

			U.S. PATENT	DOCUMENTS			
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (# appropriate
	A1	6,060,271	05/09/2000	Walewski et al			
	A2	6,110,672	08/29/2000	Mandel et al			
	А3	6,673,549	01/06/2004	Furness et al			
	A4	2003/194751	10/16/2003	Dubin Adrienne et al.			
		E/	DEIGN DATES	IT DOCUMENTS		1	
Examiner's Cite Foreign Patent Document Date Name					Translation		
Initials	No.	Country Code-Number-Kind Code			Yes/No		
	A5	WO 1996/014077	5/17/1996	Trophix Pharmaceuticals, Inc			
	A6	WO 2002/083945	10/24/2002	IMP College Innovation	ns Ltd.	-	
			NON-PATENT	DOCUMENTS			
Examiner's Initials	Cite No.			uthor, Title, Publisher, Relevant Pages, C	Date and Place of I	Publication)	
	A7	Agnew WS, Levinson SR, Brabson JS, Raftery MA. Purification of the tetrodotoxin-binding component associated with the voltage-sensitive sodium channel from Electrophorus electricus electroplax membranes. Proc Natl Acad Sci U S A. 1973 Jun;75(6):2606-10.					
	A8	Agnew WS, Moore AC, Levinson SR, Raftery MA. Identification of a large molecular weight peptide associated with a tetrodotoxin binding protein from the electropiax of Electrophorus electricus. Biochem Biophys Res Commun. 1980 Feb. 12;92(3):860-86.					
	A9	Alberts, et al., eds., "Molecular Biology of the Cell: Chapter 11: Membrane Transport " 534-535, Garland Pub., New York, N.Y. (1994)					
	A10	Andersen OS, Koeppe RE 2nd. Molecular determinants of channel function. Physiol Rev. 1992 Oct;72(4 Suppl):S89-158.					
	A11	Annegers JF, Hauser WA, Shirts SB, Kurland LT. Factors prognostic of unprovoked seizures after febrile convulsions.N Engl J Med. 1987 Feb 26;316(9):493-8					
	A12	Catterall WA. Molecular properties of voltage-sensitive sodium channels. Annu Rev Biochem. 1986;55:953-85.					
	A13	Catterall WA. Cellular and molecular biology of voltage-gated sodium channels. Physiol Rev. 1992 Oct;72(4 Suppl):S15-48.					
	A14	Catterall WA. Structure and function of voltage-gated ion channels. u Rev Biochem. 1995;64:493-531.					
	A15	Catterall WA. From ionic currents to molecular mechanisms: the structure and function of voltage- gated sodium channels. Neuron. 2000 Apr;26(1):13-25.					
	A16	E, Moulard B, Chaigne I sodium channel, in two f	D, Buresi C, Mal amilies with GE	Baulac S, Huberfeld G, A afosse A. Mutations of S FS+2. Nat Genet. 2000 A	CN1A, enc Apr;24(4):3	oding a neur 43-5.	onal
	A17						

Examiner Signature:	Date Considered:		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			
conformance and not considered. Include copy of this form with next communication to applicant.			

Brain Res Mol Brain Res. 1997 Apr:45(1):71-82.

Attorney Docket No: 21101.0048U2 Application No.: 10/585,717 Sheet 2 of 3

## INFORMATION DISCLOSURE

Co	mplete if Known	
Application Number 10/585,717		
Filing Date	July 11, 2006	
First Named Inventor	Leppert	
Group Art Unit	1646	
Examiner Name	Pak, M. D.	

,	II II OIU	MATION DISCEOSCIAL			
STATEMENT LIST		Filing Date	July 11, 2006		
		First Named Inventor	Leppert		
1	(Use as many sheets as necessary)		Group Art Unit	1646	
Examiner Name Pak, M. D.				Pak, M. D.	
A18 Fujiwara T, Sugawara T, Mazaki-Miyazaki E, Takahashi Y, Fukushima K, Watanabe M, Hara K Morikawa T, Yagi K, Yamakawa K, Inoue Y. Mutations of sodium channel alpha subunit type 1 (SCN1A) in intractable childhood epilepsies with frequent generalized tonic-clonic seizures. Bra 2003 Mar:126/Pt 3):531-46.				channel alpha subunit type 1	
DATES	A19	GeneBank Assession No. AF000368			
	A20	GeneBank Accession No. NM_002977			
	A21	GeneBank Accession No. U35238		***************************************	
<u> </u>	A22	GeneBank Accession No. U79568			
<u> </u>	V53	GeneBank Accession No. X82835			
	A24 Goldin AL, Barchi RL, Caldwell JH, Hofmann F, Howe JR, Hunter JC, Kallen RG, Mandel G, Meisler MH, Netter YB, Noda M, Tamkun MM, Waxman SG, Wood JN, Catterall WA, Nomenclature of voltage-gated sodium channels. Neuron. 2000 Nov;28(2):365-8.				
	A25	Hartshorne RP, Catterall WA. The sodium			
	A26	composition. Biol Chem. 1984 Feb 10;2	59(3):1667-75.	Turnication and Subunit	
1	A27	Kraner SD, Tanaka JC, Barchi RL. Purification and functional reconstitution of the voltage- sensitive sodium channel from rabbit T-tubular membranes.J Biol Chem. 1985 May 25:260(10):6341-7.			
	A28	Lossin C, Rhodes TH, Desai RR, Vanoye CG, Wang D, Carniciu S, Devinsky O, George AL Jr. Epilepsy-associated dysfunction in the voltage-gated neuronal sodium channel SCN1A. J Neurosci. 2003 Dec 10;23(36):11289-95			
	A29	Nabbout R, Gennaro E, Dalla Bernardina B, Dulac O, Madia F, Bertini E, Capovilla G, Chiron C, Cristofori G, Elia M, Fontana E, Gaggero R, Granata T, Guerrini R, Loi M, La Selva L, Lispi ML, Matricardi A, Romeo A, Tzolas V, Valsenati D, Veggiotti P, Vigevano F, Vallee L, Dagna Bricarelli F, Blanchi A, Zara F. Spectrum of SCN1A mutations in severe myodonic epilepsy of infancy. Neurology. 2003 Jul 24;60(12):1961-7.			
	A30	National Institutes of Health Grant No. R	01NS032666		
	A31 Peiffer A, Thompson J, Charlier C, Otterud B, Varvil T, Pappas C, Barnitz C, Gruenthal K, Kuhn R Leppert M. A locus for febrile seizures (FEB3) maps to chromosome 2q23-24. Ann Neurol. 1999 Oct:46(4):671-8.				
	A32 Sangameswaran L, Fish LM, Koch BD, Rabert DK, Delgado SG, Ilnicka M, Jakeman LB, Novakovic S, Wong K, Sze P, Tzoumaka E, Stewart GR, Herman RC, Chan H, Eglen RM, Hunter JC. A novel tetrodotoxin-sensitive, voltage-gated sodium channel expressed in rat and human dorsal root ganglia. J Biol Chem. 1997 Jun 6;272(23):14805-9				
	A33	Singh R, Scheffer IE, Crossland K, Berkovic SF. Generalized epilepsy with febrile seizures plus: a common childhood-onset genetic epilepsy syndrome. Ann Neurol. 1999 Jan;45(1):75-81			
	A34 Sugawara T, Tsurubuchi Y, Agarwala KL, Ilo M, Fukuma G, Mazaki-Miyazaki E, Nagafuji H, Noc M, Imoto K, Wada K, Mitsudome A, Kaneko S, Montal M, Nagata K, Hirose S, Yamakawa K. A missense mutation of the Na+ channel alpha II subunit gene Na(v)1.2 in a patient with febrile an afebrile seizures causes channel dysfunction. Proc Natl Acad Sci U S A. 2001 May 22:98(11):6384-9.				
	A35 Tanaka JC, Eccleston JF, Barchi RL. Cation selectivity characteristics of the reconstituted voltage dependent sodium channel purified from rat skeletal muscle sarcolemma. J Biol Chem. 1983 Ju 25:258(12):7519-26.				

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

10585717 - GAU: 1646

Sheet 3 of 3

Attorney Docket No: 21101.0048U2 Application No.: 10/585,717

## INFORMATION DISCLOSURE STATEMENT LIST

Co	omplete if Known	
Application Number	10/585,717	
Filing Date	July 11, 2006	
First Named Inventor	Leppert	
Group Art Unit	1646	
Examiner Name	Pak, M. D.	

		First Named Inventor	Leppert		
(Use as many sheets as necessary)		Group Art Unit	1646		
		Examiner Name	Pak, M. D.		
A36	Toledo-Aral JJ, Moss BL, He ZJ, Koszowski AG, Whisenand T, Levinson SR, Wolf JJ, Silos- Santiago I, Halegoua S, Mandel G. Identification of PN1, a predominant voltage-dependent sodium channel expressed principally in peripheral neurons.Proc Natl Acad Sci U S A. 1997 Feb 18:94(4):1527-32.				
A37	Vijayaragavan K, Boutjdir M, Chahine M. Modulation of Nav1.7 and Nav1.8 peripheral nerve sodium channels by protein kinase A and protein kinase C. J Neurophysiol. 2004 Apr,91(4):1556-69.				
A38	Wallace RH, Scheffer IE, Barnett S, Richards M, Dibbens L, Desai RR, Lerman-Sagie T, Lev D, Mazarib A, Brand N, Ben-Zeev B, Goikhman I, Singh R, Kremmidiotis G, Gardner A, Sutherland GR, George AL Jr, Mulley JC, Berkovic SF. Neuronal sodium-channel alpha1-subunit mutations in generalized epilepsy with febrile seizures plus. Am J Hum Genet. 2001 Apr;68(4):859-65. Epub 2001 Mar 13.				
A39	Database NCBI "Variation associated wit rs7589743	-			
A40	Database NCBI "Variation associated wit rs6432901	-			
A41	Hong et al., "Painful diabetic neuropathy: evidence for altered expression and function of sodium channels," S. Neurosci. Abstract Viewer and Itinerary Planer, November 2003 p. 657.5				
A42	Sorensen et al., "Na,1.7/Pn1 sodium channel upregulation and accumulation at demyelinated sites in painful human tooth pulp," S. Neurosci. Abstract Viewer and Itinerary Planer, November 2003 p. 175.13				
_					

Examiner Signature:	/Michael Pak/	Date Considered:	06/21/2009	
		er or not citation is in conformance	e with MPEP 609; Draw line	hrough citation if not in